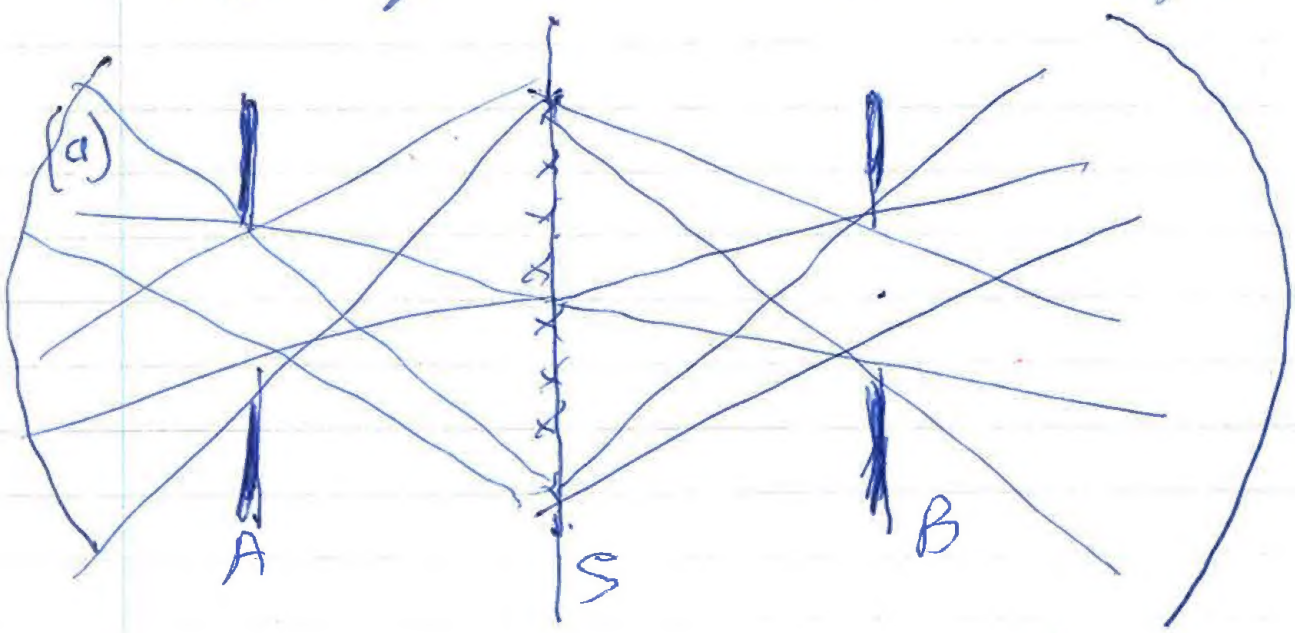
Can Experiment refute the Copenhagen Interpretation

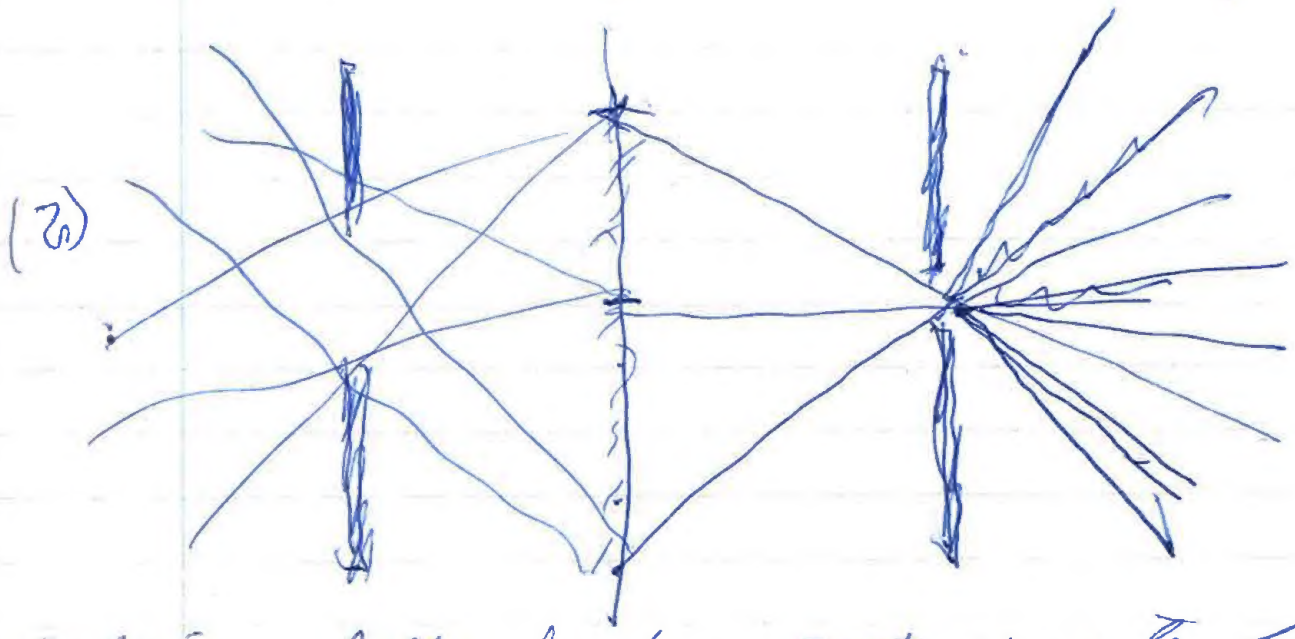
3.30 1. 2 sense of interpretation 1 & 2.

2. Interpretation 2's cannot be distinguished by experiment

3. Test nonrealistic Ω & Ω' { eigenstate of Ω / non-eigenstate of Ω.

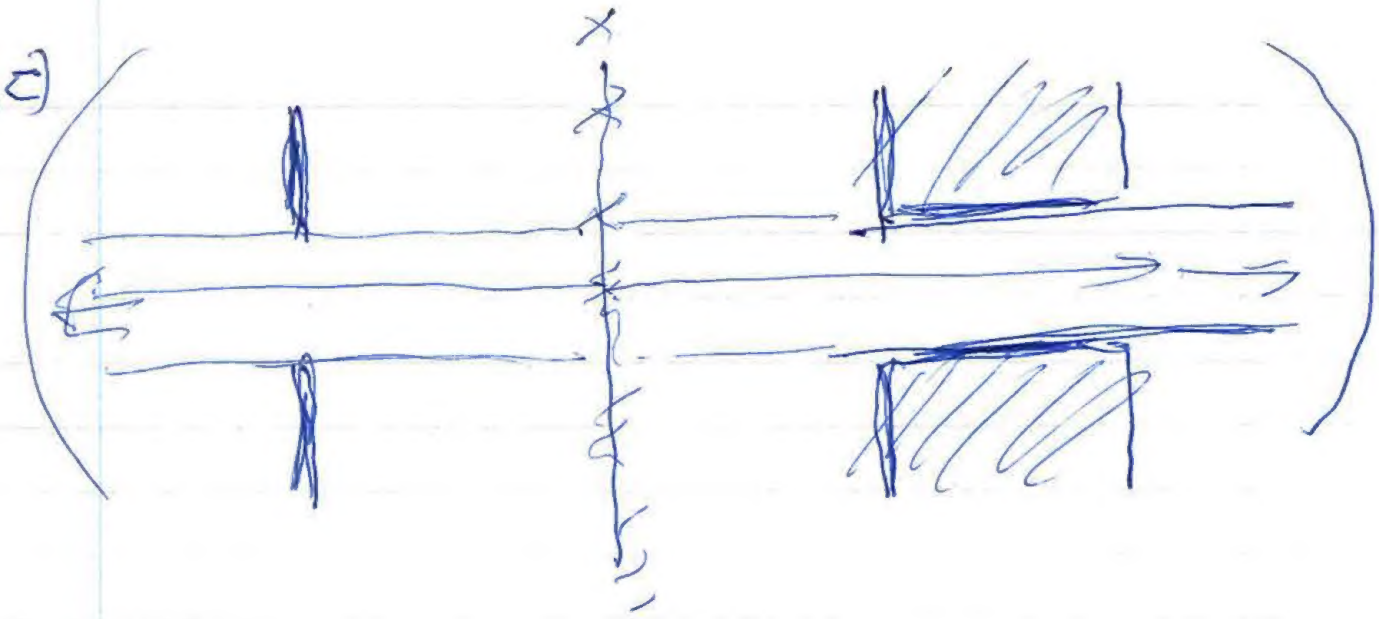
3.40 4. Popper experiment — interactive geometries.



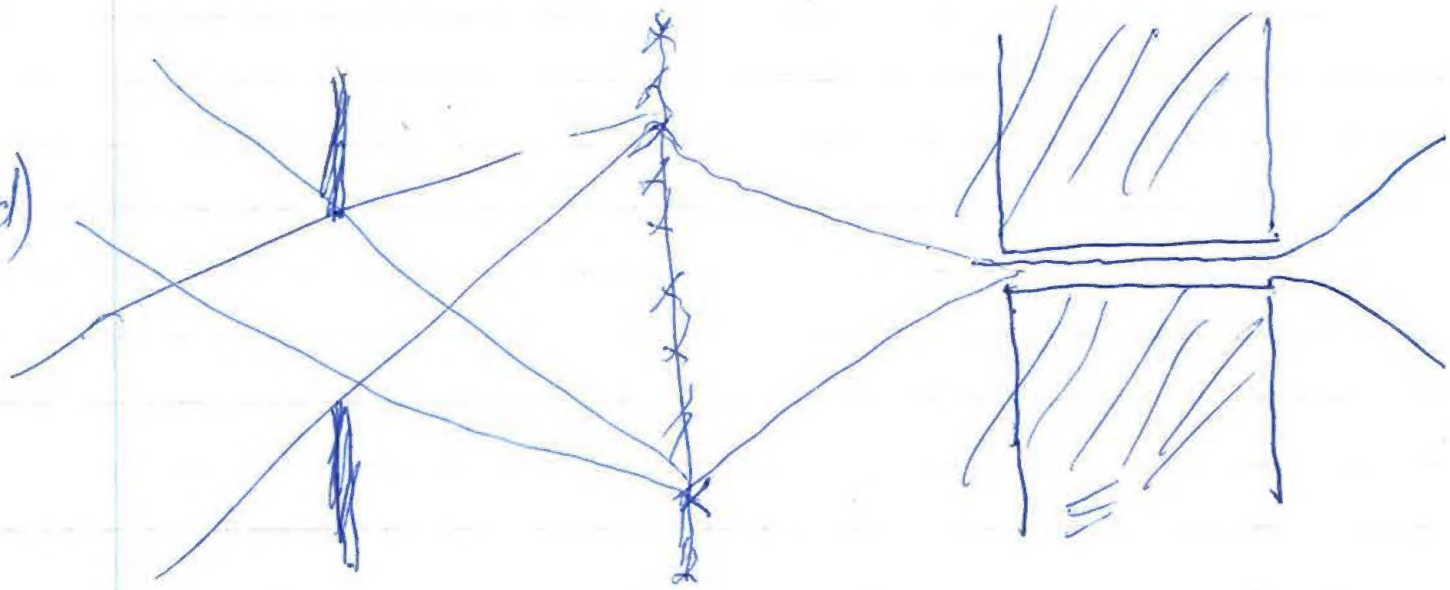
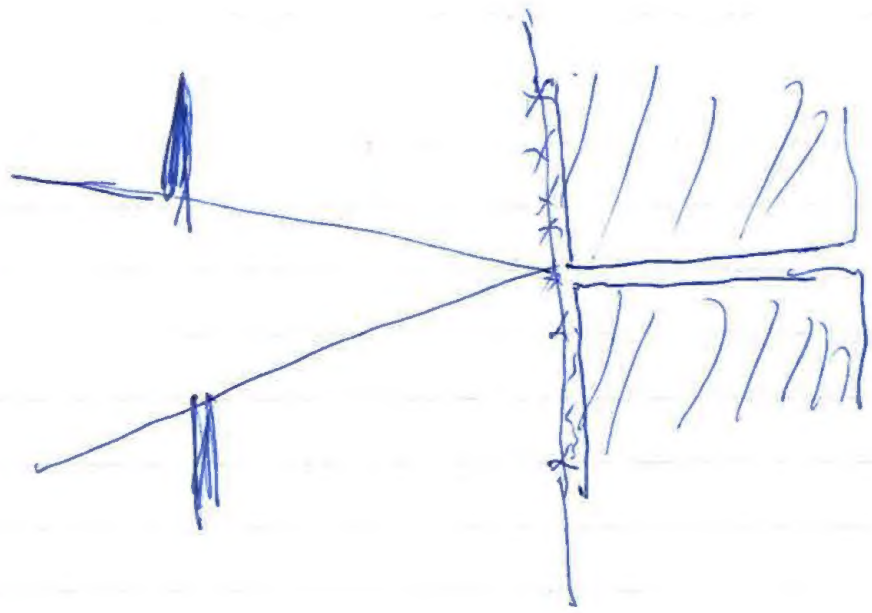


Conclusion Popper has done a great service to the theory of QM by emphasizing the distinction between measurement and state preparation, and by spear-heading the opposition to the dogmatic transcendentalism philosophy of the Copenhagenists. Because some detailed arguments are flawed, this does not mean that his overall thesis has not been abundantly confirmed.

(c)



(d)



(e)